



BNFL
Inc.

TWRS-P PROJECT
SAFETY REQUIREMENTS DOCUMENT Volume II
BNFL-5193-SRD-01, Rev. 2c- For Approval

Chapter 4: Engineering and Design

4.0 Engineering and Design

Safety Criterion: 4.0 - 1

Formal configuration management shall be applied to all facility activities through deactivation of the TWRS-P facility to ensure that programmatic objectives, including safety, are fully achieved. Work shall be performed and controlled according to pre-approved plans and procedures that clearly delineate responsibility. Documented records shall be retained.

Implementing Codes and Standards:

~~BNFL-5193-ISP-01-TWRS-P Project Integrated Safety Management Plan~~

~~Section: 5.3 Configuration Management~~

~~Section: 5.6.1 Procedure Development~~

~~Chapter: 8.0 Document Control and Maintenance~~

ISO 10007 Quality Management - Guidelines for Configuration Management

Regulatory Basis:

DOE/RL-96-0006 4.1.5.1 Configuration Management-Formal Configuration Management

Safety Criterion: 4.0 - 2

Written procedures shall be established and implemented to manage changes (except for "replacements in kind") to process chemicals, technology, equipment, and procedures; and, changes to facilities that affect a covered process. The procedures shall assure that the following considerations are addressed prior to any change:

- (1) The technical basis for the proposed change;
- (2) Impact of change on safety and health;
- (3) Modifications to operating procedures;
- (4) Necessary time period for the change; and,
- (5) Authorization requirements for the proposed change.

Employees involved in operating a process and maintenance and subcontract employees whose job tasks will be affected by a change in the process shall be informed of, and trained in, the change prior to start-up of the process or affected part of the process. If a change covered by this paragraph results in a change in the process safety information, such information shall be updated accordingly. If a change covered by this paragraph results in a change in operating procedures or practices, such procedures or practices shall be updated accordingly.

Implementing Codes and Standards:

~~BNFL-5193-ISP-01-TWRS-P Project Integrated Safety Management Plan~~

~~Section: 5.3 Configuration Management~~

ISO 10007 Quality Management - Guidelines for Configuration Management

Regulatory Basis:

29 CFR 1910 Occupational Safety and Health Standards Location: 119 (f)

DOE/RL-96-0006 5.2.9 Management of Change



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Chapter 4: Engineering and Design

Safety Criterion: 4.0 - 3

A system shall be used to control and maintain accurate as-built records for Important to Safety SSCs through deactivation of the facility.

Implementing Codes and Standards:

~~BNFL-5193-ISP-01 TWRS-P Project Integrated Safety Management Plan~~

~~Section: 1.3.16 Configuration Management~~

~~Section: 5.3 Configuration Management~~

~~Chapter: 8.0 Document Control and Maintenance~~

~~ISO 10007 Quality Management - Guidelines for Configuration Management~~

Regulatory Basis:

DOE/RL-96-0006 4.1.5.3 Configuration Management-Design Documentation